B. Amendments to the Claims

Please amend claims 36, 42 and 46 as follows:

36. (amended) A method for purifying a protein in a sample from a plurality of DNA/histone complexes, comprising a step of loading the sample containing the protein on a metal chelate chromatography ~~column~~ substrate wherein the protein is captured on the ~~column~~ substrate, and a step of washing the ~~column~~ substrate, wherein at least one of the loading step and the washing step uses a solution comprising at least about 2M NaCl to remove DNA from the sample, thereby purifying the protein in the sample.

37. (previously presented) The method of claim 36, wherein the protein is highly anionic.

38. (previously presented) The method of claim 37, wherein the protein is hypersulfated.

39. (previously presented) The method of claim 38, wherein the protein is PSGL-1.

40. (previously presented) The method of claim 36, wherein the loading step uses the solution comprising at least about 2M NaCl to remove DNA from the sample.

41. (previously presented) The method of claim 36, wherein the washing step uses the solution comprising at least about 2M NaCl to remove DNA from the sample.

42. (amended) A method for purifying a protein in a sample from a plurality of DNA/histone complexes, comprising a step of loading the sample containing the protein on a metal chelate chromatography ~~column~~ substrate wherein the protein is captured on the ~~column~~ substrate, and a step of washing the ~~column~~ substrate, wherein at least one of the loading step and the washing step uses a solution comprising an ionic strength of at least about 2M to remove DNA from the sample, thereby purifying the protein in the sample.

43. (previously presented) The method of claim 42, wherein the protein is highly anionic.

44. (previously presented) The method of claim 43, wherein the protein is hypersulfated.

45. (previously presented) The method of claim 44, wherein the protein is PSGL-1.

46. (amended) A method for purifying a protein in a sample from a plurality of DNA/histone complexes, comprising a step of loading the sample containing the protein on a hydrophobic interaction chromatography ~~column~~ substrate wherein the protein is captured on the ~~column~~ substrate, and a step of washing the ~~column~~ substrate, wherein the washing step uses a solution comprising either at least about 5% ethanol or at least about 5% isopropanol to remove DNA from the sample, thereby purifying the protein in the sample.

47. (previously presented) The method of claim 46, wherein the protein is highly anionic.

48. (previously presented) The method of claim 47, wherein the protein is hypersulfated.

49. (previously presented) The method of claim 48, wherein the protein is PSGL-1.

50. (previously presented) The method of claim 46, wherein the solution comprises at least about 5% ethanol.

51. (previously presented) The method of claim 46, wherein the solution comprises at least about 5% isopropanol.

Please add the following new claims:

52. (new) The method of claim 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50 or 51, wherein the chromatography substrate is a column.

53. (new) The method of claim 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50 or 51, wherein the chromatography substrate is in batch form.